gr. A

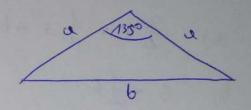
Pole tughate 3P.

2. 
$$P = 9\sqrt{2}$$

$$9\sqrt{2} = \frac{1}{2}a^{2} \cdot \sin 135^{\circ} / \cdot 2$$

$$18\sqrt{2} - a^{2} \cdot \frac{\sqrt{2}}{2} / : \sqrt{2} / \cdot 2$$

$$36 = a^{2} \Rightarrow a = 6$$



z two cosimusow

$$b^2 = 6^2 + 6^2 - 2 \cdot 6 \cdot 6 \cdot \cos 135^\circ$$
 $b^2 = 72 + 72 \cdot \sqrt{2}$ 
 $b^2 = 72 + 36\sqrt{2} = 0$ 
 $b = \sqrt{72 + 36\sqrt{2}} = 6\sqrt{2 + \sqrt{2}}$ 

Bolu maja Dugosu:  $6/6, 6\sqrt{2 + \sqrt{2}}$ .

maja długosu: 
$$6,6,6\sqrt{2+\sqrt{2}}$$
.

 $v = 1,5$  =>  $12 = 1.5$  p | .2

 $P = 12$   $3p = 24$ 
 $p = 8 \Rightarrow 06\omega = 16$ 

$$2\alpha + 6 = 16$$

$$2\alpha = 10$$

$$\alpha = 5$$

4. 
$$P = \frac{3\sqrt{3}}{4}$$
 $a^{2} = 36 \Rightarrow a = 6$ 
 $R = \frac{2}{3}h = \frac{8}{3} \cdot \frac{6\sqrt{3}}{2} = \frac{2\sqrt{3}[cm]}{2}$ 
 $r = \frac{1}{3}h = \frac{\sqrt{3}[cm]}{2}$ 
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1.  $|AB| = 12$   $|BC| = 5$   $|B| = 150^{\circ}$ 
 $P = \frac{1}{2} \cdot 12 \cdot 5 \cdot \sin 150^{\circ} = 30 \cdot \frac{1}{2} = 15$ 

2.  $P = 9\sqrt{2}$ 
 $|B| = \frac{1}{2}a^{2} \cdot \sin 45^{\circ} / 2$ 
 $|AB| = a^{2} \cdot \frac{\sqrt{2}}{2} / 2 \cdot \frac{1}{2} \cdot \sqrt{2}$ 
 $|B| = \frac{1}{2}a^{2} \cdot \sin 45^{\circ} / 2$ 
 $|B| = \frac{1}{2}$ 

4. 
$$r = 1.5$$
  $p = 12$ 
 $12 = 1.5 p / .2$ 
 $24 = 3p \Rightarrow p = 8 \Rightarrow 0 = 16$ 
 $2a + 6 = 16$ 
 $2a = 10$ 
 $a = 5$ 
 $a = 6$ 
 $a = 6$ 
 $a = 7$ 
 $a = 6$ 
 $a = 7$ 
 $a = 7$ 

 $R = \frac{2}{3}h = \frac{2}{3} \cdot \frac{6\sqrt{3}}{2} = 2\sqrt{3} \text{ [cm]},$ 

~= 3 h=, 13 [cm],